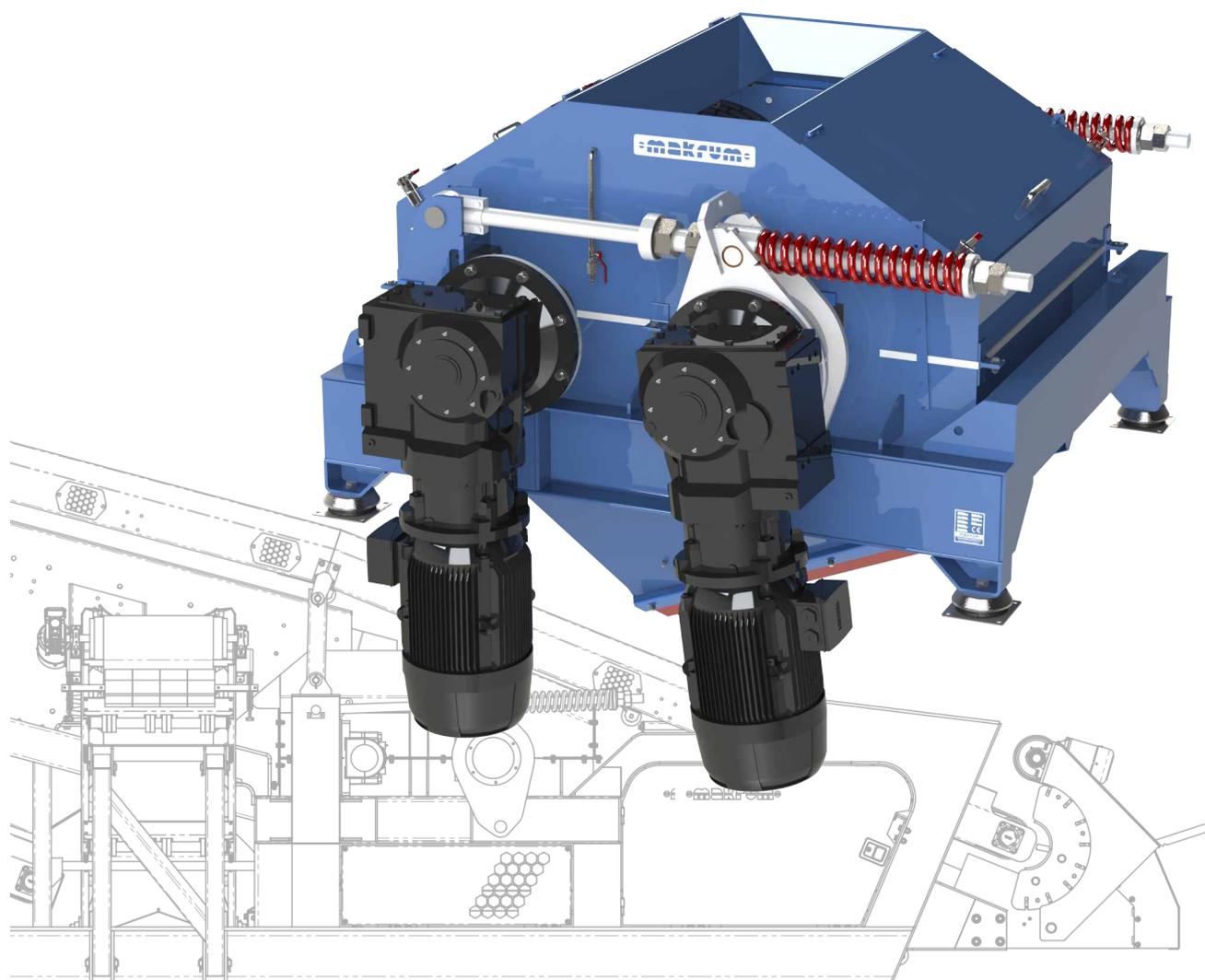


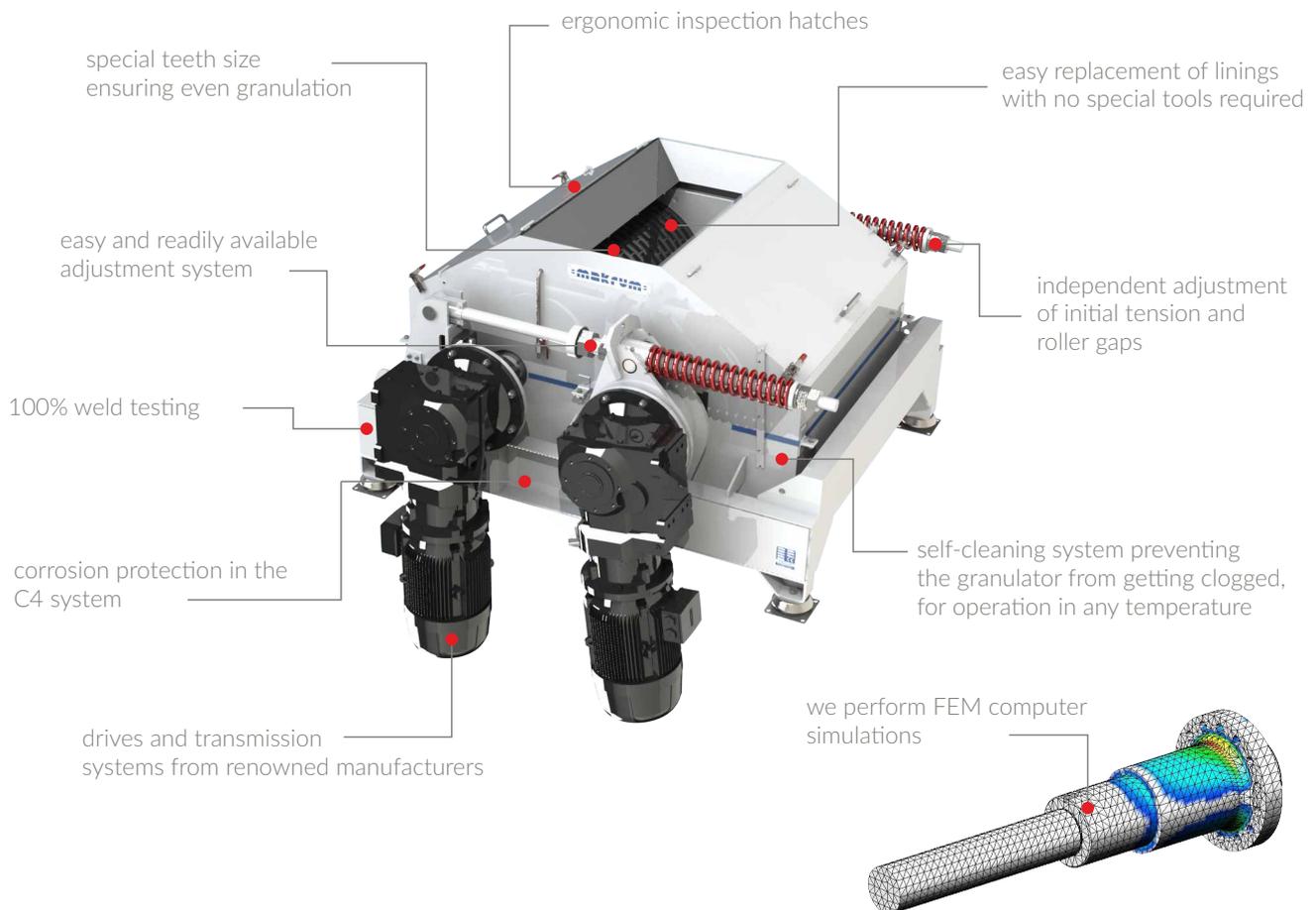
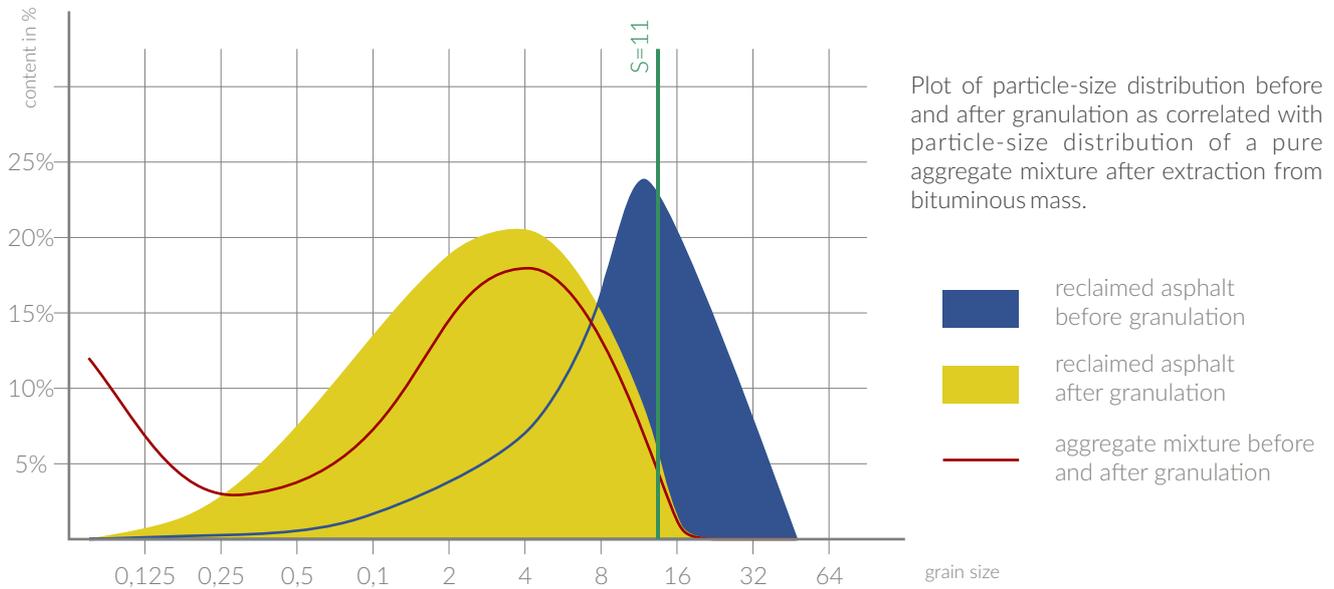
150 YEARS

makrum

RECLAIMED ASPHALT
GRANULATOR



To meet new challenges of road infrastructure modernisation and environmental standards, we have constructed a Reclaimed Asphalt Granulator (GDA), the only such machine made in Poland. We present a unique, modern, pro-environmental machine for asphalt plantings. The Reclaimed Asphalt Granulator is characterised by high efficiency and low energy consumption. Modern technology and the use of selected, specially designed components make the granulator for bituminous mixtures able to operate in any temperature and weather conditions. Owing to a modern panel, the machine operator has full control over the final product – reclaimed asphalt granulate.



VARIANTS



GDA-2

HOPPER-DISPENSER-CONVEYOR-GRANULATOR-CONVEYOR



GDA-3

HOPPER-FEEDER-SIFTER-GRANULATOR-CONVEYOR



GDA-4

HOPPER-DISPENSER-CONVEYOR-SCREENER-GRANULATOR-CONVEYOR- CONVEYOR- CONVEYOR



GDA-5

HOPPER-COMMINUTOR-CONVEYOR-SCREENER-GRANULATOR-CONVEYOR- CONVEYOR- CONVEYOR

TECHNICAL SPECIFICATIONS

parameter / type		GDA	GDA2	GDA3	GDA4	GDA5
inlet width and length	mm	300 x 1 200	2 000 x 3 150	2 400 x 2 600	1 900 x 3 600	1 900 x 4 000
granulating chamber width	mm	1 150				
maximum size of material fed at gap s=16mm	mm	42	42	42	42	2 000
maximum size of oversize grain in material fed (up to 5 %)	mm	85	85	85	85	-
granulation gap	mm	5 - 70 mm				
drive power (by version)	kW	30 - 44	40 - 54	39 - 53	65 - 84	167 - 173
theoretical efficiency for gap "s"						
s = 16mm P90 < 16 mm	t/h	up to 40	up to 40	up to 42	up to 125	up to 125
s = 8 mm P90 < 8 mm	t/h	up to 22	up to 22	up to 23	up to 65	up to 65
total weight of the machine	t	4,1	10	11	20	35 - 48
theoretical maximum product size for gap s= 16 mm	mm	up to 22 mm				

OVERALL DIMENSIONS

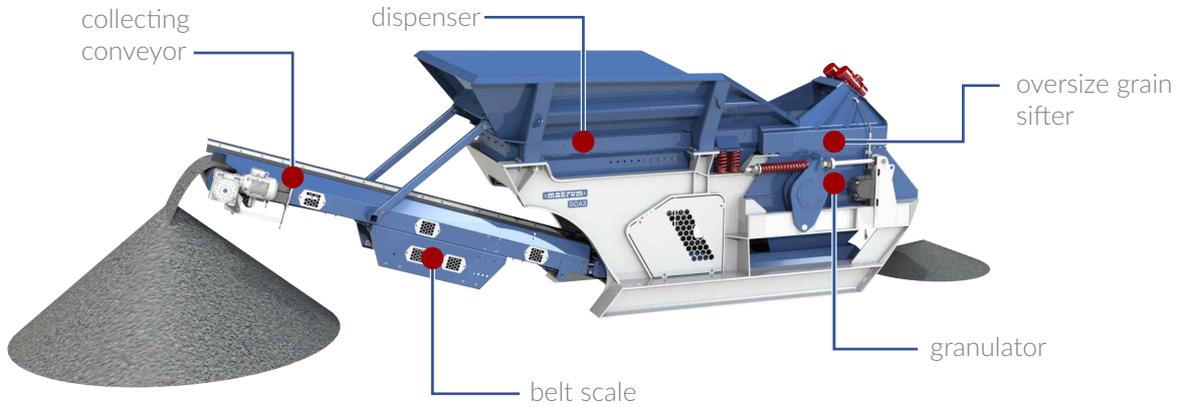
	mm	GDA	GDA2	GDA3	GDA4	GDA5
length	mm	2 125	16 800	7 900	13 600	14 000
width	mm	2 220	3 700	2 500	2 500 / 5 300	2 500 / 5 300
height	mm	1 436	3 600	2 700	3 100	3 600
loading height	mm		2 500	2 700	3 100	3 100

EQUIPMENT: S - STANDARD / O - OPTIONAL

	GDA	GDA2	GDA3	GDA4	GDA5
granulator	S	S	S	S	S
hopper		S	S	S	S
conveyor belts		S	S	S	S
oversize grain sifter			S	S	S
screener with meshes: 8 & 16 mm or 11 & 22 mm				S	S
return line from granulator to screener					S
initial single-roller comminutor					S
pushers					S
magnetic separator		O		O	O
mobile chassis				O	O
engine-generator				O	O

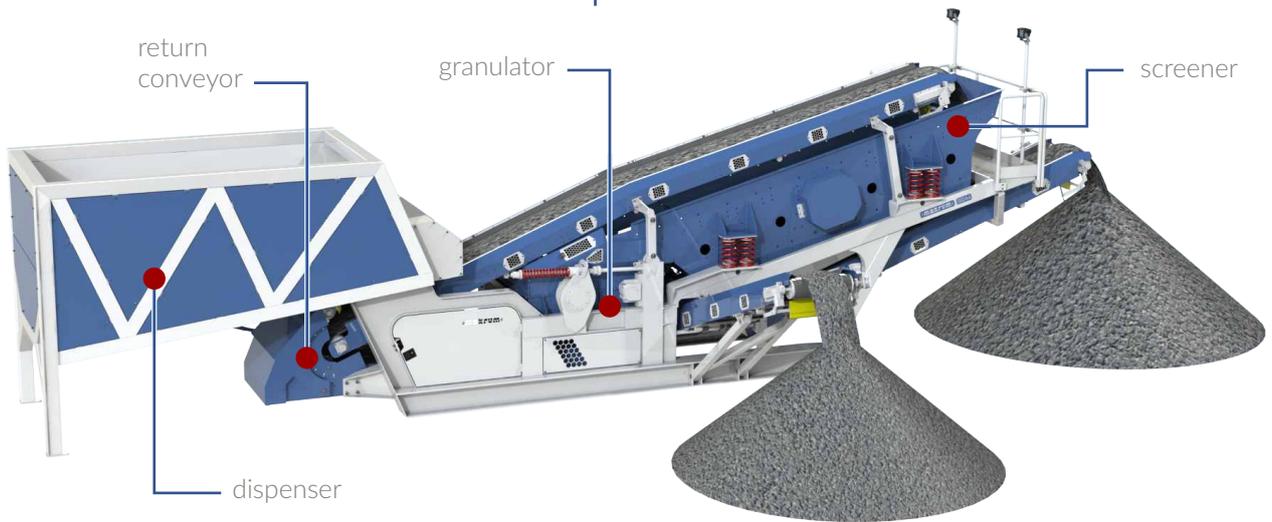
GDA-3

Due to its compact design and inbuilt scale, this mobile set with oversize grain sifter allows service provision in various locations.



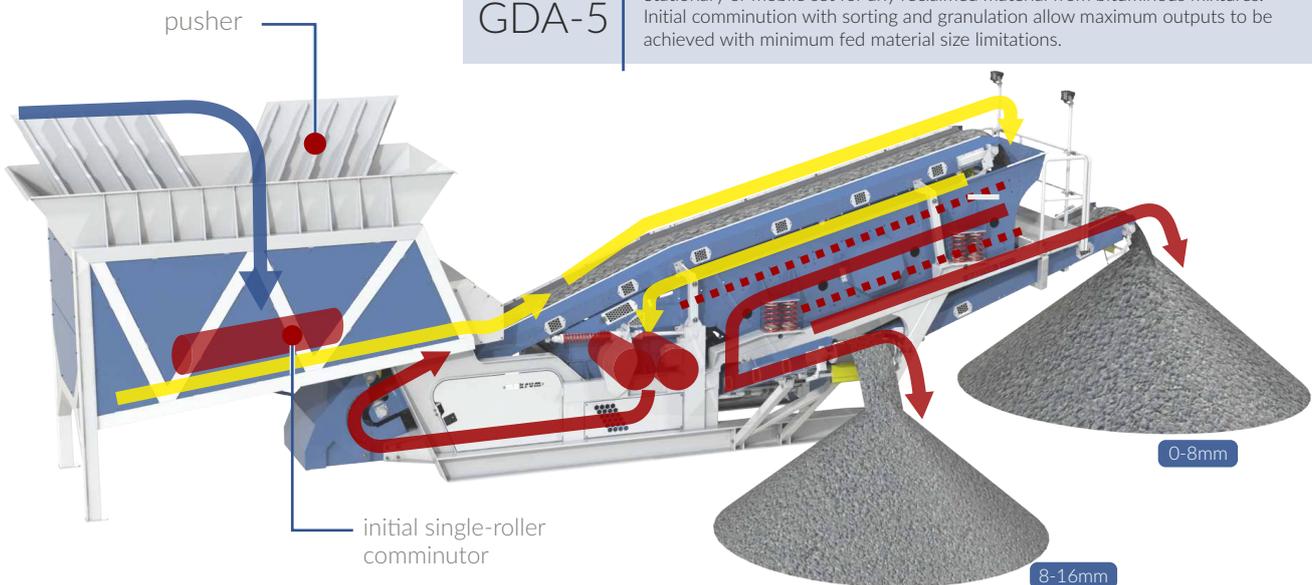
GDA-4

Due to a screener being used, this stationary set for asphalt planings allows strict control of product parameters and machine efficiency increases of as much as 200%, depending on the type of the material fed.



GDA-5

Stationary or mobile set for any reclaimed material from bituminous mixtures. Initial comminution with sorting and granulation allow maximum outputs to be achieved with minimum fed material size limitations.



GDA



manufactured in Poland

production plant located in Bydgoszcz



tried and tested solutions

tested for many years

spare parts guaranteed

makrum is a member of a large industrial group



comfortable operation

user-friendly design

makrum

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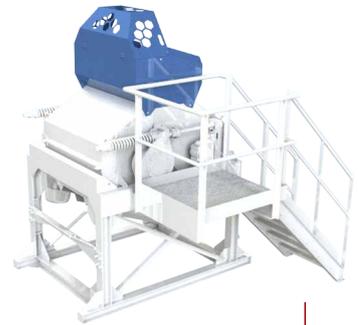
AUXILIARY EQUIPMENT



SUPPORT STRUCTURE



INSPECTION PLATFORM



INLET COVER

OUR COMPLETED PROJECTS



GUARANTEED QUALITY